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RECEIVED #7
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TECH CENTER 1600/2900

SEQUENCE LISTING

<110> Abbott Laboratories
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Bradley, Michael F.
Kalvin, Douglas M.
Schneider, Andrew J.

<120> PEPTIDES HAVING ANTIANGIOGENIC ACTIVITY

<130> 6633.US.O2

<140> 09/718,591
<141> 2000-11-22

<150> US 60/166,791
<151> 1999-11-22

<160> 1

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 11
<212> PRT
<213> Antiangiogenic Peptide

<220>
<221> VARIANT
<222> (1)...(1)
<223> Xaa = R1-(CH₂)_n-C(O)- wherein R is N-acetylamino
at position 1

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ala, B-Ala, Asn, Cit, Gly(Et), Gln, Glu,
Met, N-MeAla, N-MePro, Pro, Glu(pyro), and Sar at
position 2

<221> VARIANT
<222> (2)...(2)
<223> Xaa = Ser, Thr, H₃C-C(O)-HN-(CH₂)_q-C(O)-, wherein
q is an integer, and
H₃C-C(O)-HN-CH₂CH₂-O-(CH₂CH₂O)_r-CH₂-C(O)-, wherein
r is an integer at position 2

<221> VARIANT
<222> (3)...(3)
<223> Xaa = Ala, Asn, Asp, Gln, Glu, Gly, Leu, Met,
PheAla, Pro, and Ser at position 3

<221> VARIANT
<222> (4)...(4)
<223> Xaa = AlloIle, AllylGly, 2-Abu, (IR,4S)AmCyeCO,

Asp, 5-BrThiAla, 3-ClPheAla, 4-ClPheAla,
3-CNPheAla, Cys(Et), Cys(Me), 2,3-Diapr,
2,4-Diabu, 3,4-diOMePheAla at position 4

<221> VARIANT

<222> (4)...(4)

<223> Xaa = 3-FPheAla, 4-FPheAla, His, HPheAla, HSer,
Lys(Ac), Met(O2), Met(O), 4-MePheAla, 1-Nal,
2-Nal, Orn, PheGly, Pro, 3-Pal, 3-ThzAla, 2-ThiAla
at position 4

<221> VARIANT

<222> (4)...(4)

<223> Xaa = Ser(Bzl), StyAla, Tic, Trp, and Tyr at
position 4

<221> VARIANT

<222> (5)...(5)

<223> Xaa = AlloIle, deLeu, Gly, Ile, and Pro at
position 5

<221> VARIANT

<222> (6)...(6)

<223> Xaa = Ala, AlloThr, AllylGly, Asn, Cys, Gln, Gly,
His, HSer, 4-OHMePheAla, Ile, Lys(Ac), Met, 1-Nal,
2-Nal, Nva, OctylGly, Orn, Pen, Pro, 3-Pal, Ser,
Thr, Trp, and Tyr at position 6

<221> VARIANT

<222> (7)...(7)

<223> Xaa = Ala, AllylGly, 2-Abu, Arg, Asn, Asp,
CamdPheAla, Cit, Cha, Cys, Gln, Glu, Gly, His,
HALa, Hile, HSer, Ile, Leu, Lys(Ac) at position 7

<221> VARIANT

<222> (7)...(7)

<223> Xaa = Lys(Isp), Met(O2), Met(O), Met, 1-Nal,
2-Nal, Nle, Nva, OctylGly, Pen, PheAla, PropGly,
3-Pal, Ser, Thr, Trp, Tyr, and Val at position 7

<221> VARIANT

<222> (8)...(8)

<223> Xaa = Ala, AlloIle, AllylGly, Asp, Gly(t-Bu), Cit,
Cha, Cys, Glu, Gly, HSer, Ile, Leu, Lys(Ac),
Met, 1-Nal, 2-Nal, Nva, Pen, PheAla, Pro, Ser, Trp,
Tyr, and Val at position 8

<221> VARIANT

<222> (9)...(9)

<223> Xaa = AimpheAla, AipheAla, Arg, Arg(diethyl), Cit,
Cha(Isp), Gly(pipad), GuaAla, 4-GuaPheAla, His,
HArg, Lys, Lys(Isp) at position 9

<221> VARIANT

<222> (9)...(9)

<223> Xaa = Lys(Nic), NArg, Orn(Isp), Orn(Nic),
Orn(Imd), (pipamid)Ala, and (pyramid)Ala at

position 9

<221> VARIANT

<222> (10)...(10)

<223> Xaa = 2-Abu, Aib, Gly(t-Bu), HPro, OHPro, Ile,
Leu, PheAla, Pro, Ser, Tic, Thr, and Val at
position 10

<221> VARIANT

<222> (11)...(11)

<223> Xaa = AzaGlyNH₂, GlyNH₂, GlyNH-ethyl, SarNH₂, and
SerNH₂ at position 11

<400> 1

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10